

## KEY WRITING DEVICE

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Applicant(s): NIPPON TELEGRAPH &amp; TELEPHONE

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- International: G09C1/00; G09C1/00; (IPC1-7): G09C1/00

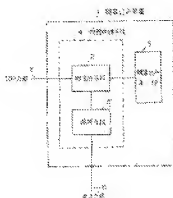
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Abstract of JP 2093487 (A)

**PURPOSE:** To easily hold a generation rule of a key in secret and to secure its safety by generating a key  $K_i$  as a function of a secret parameter  $P$  which can be written and cannot be read out and a terminal code  $X_i$ . **CONSTITUTION:** A key generating means 2 inputs a parameter  $P$  from a holding means 3, and also, inputs a terminal code  $X_i$  from an ID input part 7, generates a key  $K_i$  by  $K_i = F(P, X_i)$ , and transmits a result to a key writing means 5. A physical protecting means 4 is allowed to have such a quality as the parameter  $P$  can be changed from the outside of the key writing device but cannot be read out to the outside, or the value is broken down if it is tried to read it out. For instance, a ROM is put into an LSI and a metallic box whose read-out terminal is not led out to the outside and a physical lock is added. The means 5 can write the key  $K_i$  generated as a writing device of the ROM and the IC in the ROM and the IC card.



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